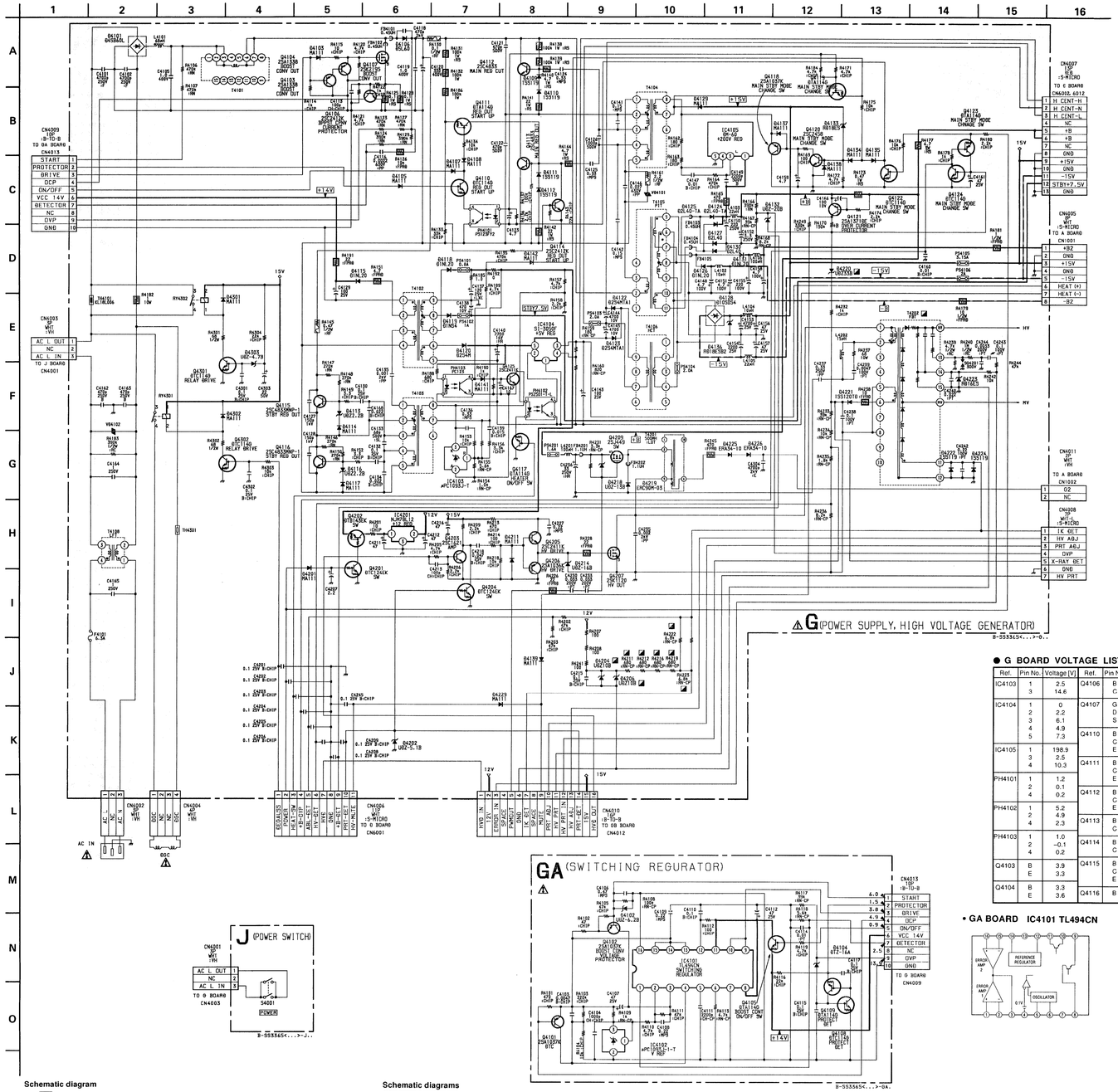
(2) Schematic Diagrams of G, GA, GB and J Boards

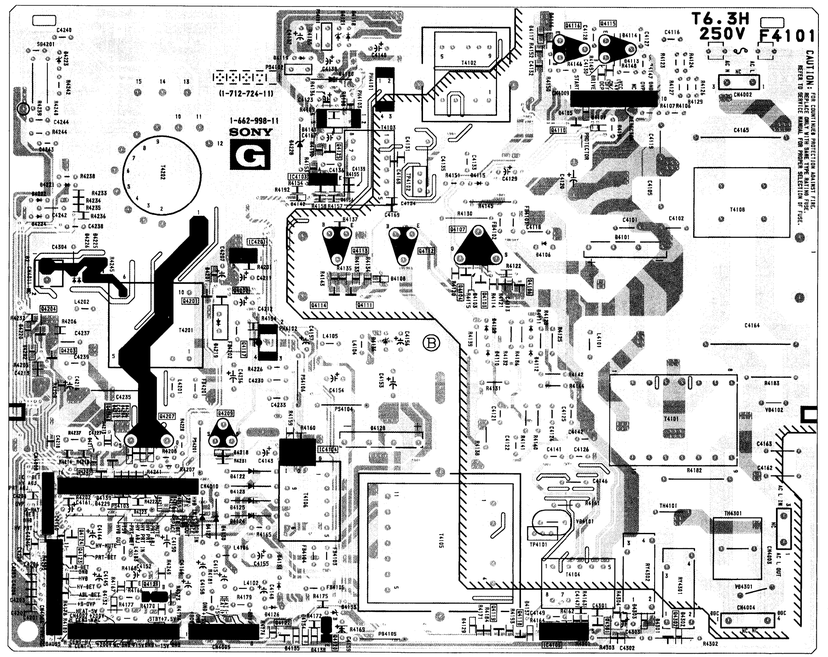


Schematic diagram
← D board

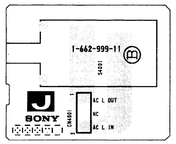
Schematic diagrams
G GA GB J boards →

G [POWER SUPPLY HIGH VOLTAGE GENERATOR] GA [SWITCHING REG.] GB [HV CONTROL] J [POWER SW]

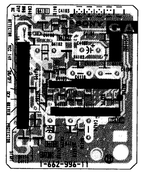
— G BOARD —



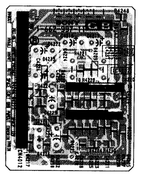
— J BOARD —



— GA BOARD —



— GB BOARD —

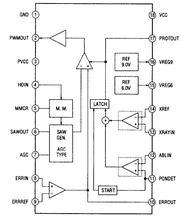


● G BOARD VOLTAGE LIST

Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]
IC4103	1	2.5	Q4106	B	0.1		C	176.7		E	0
	3	14.6		C	4.9	Q4117	B	4.9	Q4201	B	4.0
IC4104	1	0	Q4107	G	3.6		E	4.9		C	0
	2	2.2		D	90.2	Q4118	B	13.1	Q4202	B	0
	3	6.1		S	0		E	13.5	Q4203	B	0.1
	4	4.9	Q4110	B	0.9	Q4119	B	14.8		C	10.3
	5	7.3		C	0.2		C	15.6	Q4204	B	0.2
IC4105	1	198.9		E	0.2		E	15.7		C	10.3
	3	2.5	Q4111	B	1.3	Q4120	B	0.2	Q4205	B	8.8
	4	10.3		C	−1.6		C	13.1		C	13.6
PH4101	1	1.2		E	2.0	Q4121	B	199.2		E	8.7
	2	0.1	Q4112	B	170.7		C	0.2	Q4206	B	8.8
	4	0.2		C	352.0	Q4122	B	0.7		E	8.7
PH4102	1	5.2		E	172.3		C	0.1	Q4207	G	8.7
	2	4.9	Q4113	B	−1.6	Q4123	B	3.7		D	41.3
	4	2.3		C	172.3		C	0.3	Q4209	G	197.7
PH4103	1	1.0	Q4114	B	−1.6		E	3.7		D	41.0
	2	−0.1		C	−1.6	Q4124	B	0.3	Q4301	B	0.8
	4	0.2	Q4115	B	174.0		C	3.7		C	0.3
Q4103	B	3.9		C	351.0	Q4125	B	0	Q4302	B	0
	E	3.3		E	176.8		C	14.6		C	14.8
Q4104	B	3.3	Q4116	B	−1.6						
	E	3.6									

• GA BOARD IC4101 TL494CN

• GB BOARD IC4202 SBA9755S



G BOARDTerminal name of semiconductors in silk screen printed circuit

Ref.	Device	Printed symbol	Terminal name	Circuit
Q4103, Q4104, Q4106, Q4110, Q4111, Q4114, Q4117, Q4118, Q4119, Q4122, Q4123, Q4124, Q4125, Q4201, Q4202, Q4203, Q4204, Q4205, Q4206, Q4301, Q4302	Transistor	T	Collector Base Emitter	
D4105, D4107, D4108, D4116, D4117, D4129, D4132, D4134, D4135, D4137, D4138, D4142, D4201, D4202, D4204, D4206, D4211, D4214, D4218, D4220, D4301, D4302, D4303	Diode		Cathode Anode	

GA BOARDTerminal name of semiconductors in silk screen printed circuit

Ref.	Device	Printed symbol	Terminal name	Circuit
Q4101, Q4102, Q4105, Q4108, Q4109	Transistor	T	Collector Base Emitter	
D4102, D4104	Diode		Cathode Anode	

GB BOARDTerminal name of semiconductors in silk screen printed circuit

Ref.	Device	Printed symbol	Terminal name	Circuit
Q4208	Transistor	T	Collector Base Emitter	
D4203, D4205, D4207, D4208, D4209, D4213, D4215, D4217	Diode		Cathode Anode	